

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:  
RAFAEL HERRMANN ET AL.

CASE NO: BB1102 US DIV

FILED: CONCURRENTLY HERewith

EXAMINER: UNKNOWN

APPLICATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

PARENT APPLICATION NO.: 09/857401  
PARENT APPLICATION FILED: JUNE 1, 2001

FOR: SCORPION TOXINS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicant bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO-1449 and PTO-892 from the parent application. Copies of the references can be found in the parent case 09/857,401 and are not enclosed.

Benefit of the earlier filing date of U.S. Patent Application No. 09/857,401, filed June 1, 2001 is claimed under 35 USC 120 for the above-referenced application.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,



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Dated:

July 8, 2003

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PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

1

### Complete if Known

Application Number	09/857,401
Filing Date	June 1, 2001
First Named Inventor	Rafael Herrmann et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1102 US PCT

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MARIA L. GARCIA ET AL., Biochemistry, vol. 33:6834-6839, 1994, Purification and Characterization of Three Inhibitors of Voltage-Dependent K <sup>+</sup> Channels from Leiurus quinquestriatus var. hebraeus Venom	
		D. L. MARSHALL ET AL., Toxicon, vol. 32(11):1433-1443, 1994, Neuromuscular Effects of Some Potassium Channel Blocking Toxins from the Venom of the Scorpion Leiurus Quinquestriatus Hebraeus	
		J. M. SABATIER ET AL., Int. J. Peptide Protein Res., vol. 43:486-495, 1994, Leiurotoxin I, a scorpion toxin specific for Ca <sup>2+</sup> -activated K <sup>+</sup> channels	
		ELISHU ZLOTKIN ET AL., Phytoparasitica, vol. 19(3):177-182, 1991, Venom Neurotoxins - Models for Selective Insecticides	
		E. ZLOTKIN ET AL., Archives of Biochem. & Biophys., vol. 240(2):877-887, 1985, An Excitatory and a Depressant Insect Toxin from Scorpion Venom both Affect Sodium Conductance and Possess a Common Binding Site	
		E. ZLOTKIN ET AL., Biochimie, vol. 53:1073-1078, 1971, Purification and properties of the insect toxin from the venom of the scorpion Androctonus australis Hector	
		MARK D. ADAMS ET AL., Science, vol. 252:1651-1656, 1991, Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project	

Examiner  
Signature

Date  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet

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Application Number

**Complete if Known**

09857.401

Filing Date

June 1, 2001

First Named Inventor

Rafael Herrmann et al.

Group Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

BB1102 US PCT

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>Notice of References Cited</b>	Application/Control No. 09/857,401	Applicant(s)/Patent Under Reexamination HERMAN ET AL.	
	Examiner Gabriele E. BUGAISKY	Art Unit 1653	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
*	N	WO 95/03065 A1	02-1995	WO	Garcia et al	-----
*	O	EP 0374753 A2	12-1989	EP	Zlotkin et al.	-----
*	P	WO 94/28114 A1	12-1994	WO	Webb et al.	-----
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
*	U	Garcia et al. Purification and characterization of three inhibitors of voltage-dependent K <sup>+</sup> channels from Leiurus quinquestratus var. hebraeus venom. 1994. Biochemistry 33: 6834-6839.
*	V	Marshall et al. Neuromuscular effects of some potassium channel blocking toxins from the venom of Leiurus quinquestratus hebraeus. 1994. Toxicon 32(11): 1433-1434
	W	Norton et al. The cystine knot structure of ion channel toxins and related Polypeptides. 11/ 1998. Toxicon 36 (11):1573-1583
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.